Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – WINTER • 2013

Subj	ect c	ode: 1721801 Date: 24-12-2013	
Subj	ect N	Name: Environmental Impact Assessment	
Гimе	e: 10	.30 am – 01.00 pm Total Marks: 70	
Insti	ructi	ons:	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	What type of information/data is required to describe the baseline environmental conditions? What is the significance of baseline data?	08
	(b)	Enlist and explain the four steps in carrying out EIA.	06
Q.2	(a)	Define 'Sustainable Development' and explain 'Carrying Capacity based developmental planning' to achieve Sustainable Development	07
	(b)	Explain in detail the development and use of value function graphs for evaluation of impacts.	07
	(b)	OR	07
	(b)	Write a note on the Detailed contents of EIA.	07
Q.3	(a)	With the help of diagram, explain the relationship between human activities and environmental impact.	07
	(b)	Define and explain giving examples primary, secondary and tertiary impacts. OR	07
Q.3	(a)	What are Environmental Attributes? Explain any one environmental attribute to describe air component of EIA.	07
	(b)	Write short notes on: 1. Network method 2. Descriptive checklist method	07
Q.4	(a)	Explain the procedure to be followed for obtaining environmental clearance as per EIA Notification 2006.	07
	(b)	Differentiate between: (1) EIA and EIS (2) Environmental Impact Analysis and Environmental Impact Assessment	07
		OR	
Q.4	(a)	Explain the following EIA methodologies: 1. Matrix method. 2. Simple checklist method	07
	(b)	Highlight the advantages and disadvantages of public participation in the overall environmental clearance process for any project.	07
Q.5	(a)	A large scale multipurpose dam is to be constructed across a perennial river. Enlist the probable environmental impacts and classify them.	07
	(b)	Give the comments on "The Need of EIA" for developing country like India OR	07
Q.5	(a) (b)	Prepare a matrix for constructing a highway project. What are the probable impacts of a cement industry? Give the classification of the impacts.	07 07
